| Inde | ex of | Clain | ns |
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|      |       |       |    |
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| Application No. | Applicant(s)   |
|-----------------|----------------|
| 10/612,327      | BOYD, DAVID A. |
| Examiner        | Art Unit       |
| Kurt Fernstrom  | 3712           |

| 7  | Rejected |  |
|----|----------|--|
| 11 | Allowed  |  |

| <u> </u> | (Through numeral) Cancelled |
|----------|-----------------------------|
| +        | Restricted                  |

| N | Non-Elected  | A |
|---|--------------|---|
| ı | Interference | 0 |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla   | aim      |          |          |               |          | Dat        | e              |          |          |          | 1     | Cla   | aim      | Г        |          |           | [        | Date     | ,      |    |               |               | С     | laim     |                   |                                     |          |               | Date               |              |          |  |                |
|-------|----------|----------|----------|---------------|----------|------------|----------------|----------|----------|----------|-------|---|----------|----------|----------|-----------|----------|----------|--------|----|---------------|---------------|-------|----------|-------------------|-------------------------------------|----------|---------------|--------------------|--------------|----------|--|----------------|
|       |          | 8        |          |               |          |            |                |          |          |          |       |   |          |          |          |           |          |          |        |    |               |               | न्न   | nal      |                   |                                     |          |               |                    |              |          | -  |                |
| Final | Original | 5/25/04  |          |               |          |            |                |          |          |          |       | Final   | Original |          |          |           |          |          |        |    |               |               | Final | Original |                   |                                     |          |               |                    |              |          |  |                |
|       | 1        | 1        | ⊢        | -             | ├        | ╁~         | ┢              | -        | ┢        | -        | 1     | $\vdash$  | 51       | ╁        | -        | -         | -        | -        | -      |    |               | Н             |       | 101      | ┢                 | ┢                                   | ┢        | ⊢             | ┢                  | $\vdash$     | H        | <del>                                     </del> | ╁              |
| -1-   | 2        | 1        | 1        | H             | H        | $\vdash$   | ┢              | $\vdash$ | H        | t        | 1     | -   | 52       | $\vdash$ | Н        |           | Н        | $\vdash$ | _      |    |               | $\vdash$      |       | 102      | ┢                 | <u> </u>                            | ┢        |               |                    |              | Н        | $\vdash$   | <del>  -</del> |
| · .   | 3        | ₩        | 一        | _             | 一        | $\vdash$   | <del>  -</del> | -        | $\vdash$ | $\vdash$ | 1     | $\vdash$  | 53       | -        | -        |           |          |          |        |    |               | H             |       | 103      | H                 | 1                                   | t        | $\vdash$      |                    | Г            | Н        |  | ┢              |
|       | 4        | 1        | H        | <u> </u>      | $\vdash$ | 1          | ┢              | T        | _        | <b>—</b> | 1     | <b>—</b>  | 54       |          |          |           |          |          |        | _  |               |               |       | 104      | Н                 | ┢                                   |          |               |                    | Г            | $\vdash$ |  | Т              |
|       | 5        | V        | t        | Η.            | 一        | ✝          | H              | H        | $\vdash$ | † ·      | 1     |   | 55       | <u> </u> |          |           | $\vdash$ |          |        |    |               |               | -     | 105      | Т                 | Г                                   | Г        |               |                    |              | П        |  | T              |
|       | 6        | 1        |          | $\vdash$      |          | 1          | ╁              |          | Г        |          | 1     |   | 56       | T        | $\vdash$ |           | $\vdash$ |          | $\neg$ |    |               |               |       | 106      | T                 | Т                                   |          |               | Г                  |              | П        | Ė  | Г              |
|       | 7        | 1        | T        | $\vdash$      |          | 1          | ┢              | 1        | $\vdash$ | Т        | 1     |   | 57       |          |          |           |          |          |        |    |               |               |       | 107      | Г                 | Г                                   |          |               | П                  | П            | П        |  |                |
|       | 8        | 1        | $\vdash$ | T             |          | T          | 1              |          |          |          | 1     |   | 58       | T        |          |           |          |          |        |    |               |               |       | 108      |                   | П                                   |          |               |                    | Г            | П        |  | Г              |
|       | 9        | $\vdash$ |          | Г             |          | T          | <u> </u>       | 1        | -        |          |       |   | 59       |          |          |           |          |          |        |    |               |               |       | 109      |                   |                                     | Γ        | Г             |                    |              | П        | - 20   | Г              |
|       | 10       | 1-       | Г        | -             | Г        |            | T              | T        |          |          | 1     |   | 60       |          | П        |           |          |          | $\neg$ |    |               |               |       | 110      |                   |                                     |          |               |                    | Π            | П        |  | F              |
|       | 11       | ·        | Τ.       |               |          |            | 1              |          |          |          | 1     |   | 61       |          |          |           |          |          |        |    |               |               |       | 111      |                   |                                     | Γ        |               |                    | П            | П        | ,  |                |
|       | 12       | T -      |          | F             |          | Γ.         | <u> </u>       |          | Г        | Π        | 1     |   | 62       |          | П        |           |          |          |        |    |               | $\overline{}$ |       | 112      |                   | _ ·                                 |          |               |                    |              |          |  |                |
| 1.    | 13       | 1        | П        | 1             |          | Π          | T              |          |          |          | 1     |   | 63       |          |          |           |          |          | $\neg$ |    |               |               |       | 113      |                   |                                     |          |               |                    |              |          |  |                |
| •     | 14       | Ť        | ١.       | -             |          |            |                | Π        |          |          | 1     |   | 64       | П        |          |           |          |          |        |    |               |               |       | 114      |                   |                                     |          |               |                    |              |          |  |                |
|       | 15       | Τ,       |          | Π             |          | П          |                | Г        | Г        |          |       |   | 65       |          |          |           |          |          |        | ì. |               |               |       | 115      |                   |                                     |          |               |                    |              |          |  |                |
|       | 16       | Γ        | Г        |               | Γ_       |            | Π              | П        | Π        |          | 1     |   | 66       | 1        |          |           |          |          | $\Box$ |    |               |               |       | 116      |                   |                                     |          |               |                    |              |          |  |                |
|       | 17       |          |          |               |          |            | Π              | П        |          |          |       |   | .67      |          |          |           |          |          |        |    |               | П             |       | 117      |                   |                                     |          |               |                    |              | П        | -  | Г              |
|       | 18       |          | П        |               | 7        |            | 1              |          |          |          |       | <u> </u>  | .68      | Г        |          |           |          |          | -,     |    |               | $\overline{}$ |       | 118      |                   |                                     |          |               |                    |              | П        |  | Г              |
|       | 19       |          |          | -             | Г        |            |                |          | !        |          |       |   | 69 .     | -        |          |           |          |          | -      |    | $\overline{}$ |               | -     | 119      | Г                 |                                     | 1.       |               |                    |              |          | Π  | Г              |
|       | 20       | T .      |          |               | Г        |            |                |          |          |          |       |   | 70       | Г        |          |           |          |          |        |    |               |               |       | 120      |                   |                                     | Г        |               |                    |              | П        | П  | Г              |
|       | 21       |          |          |               |          |            | Г              | Π        |          |          | 1     |   | 71       | Π        |          |           |          |          |        |    |               |               |       | 121      | •                 |                                     |          |               |                    | •            | П        |  | ·              |
|       | 22       | Π        | П        | $\overline{}$ |          |            | Г              | Ī        | -        | Π.       | 1     | - 1   | 72       |          |          |           |          |          |        |    | -             |               |       | 122      | ٠                 |                                     |          |               |                    | •            | П        |  |                |
| •     | . 23     | Ī        |          |               | П        | Ι.         |                |          | ·        |          |       |   | 73       | T        |          |           |          |          | •      |    |               |               |       | 123      | Г                 |                                     |          |               |                    |              |          |  | •              |
| · .   | 24       | ļ .      | 7.       |               |          |            | Γ              |          |          |          |       |   | 74       |          |          |           | •        |          | ·      |    |               |               |       | 124      |                   | ٠                                   | ŀ        | ·             |                    |              |          |  |                |
|       | 25.      | Г        | Π.       |               |          | Γ          | Ι.             | Г        |          |          | ]     |   | 75       |          |          |           |          |          |        |    |               |               |       | 125      |                   |                                     |          |               |                    |              |          |  |                |
|       | 26       | -        | •        |               |          | Π          | F              |          |          |          |       |   | 76       |          |          |           |          |          |        |    |               |               |       | 126      |                   | $\Gamma$                            |          |               |                    |              |          |  |                |
| •     | 27       | Ŀ        |          |               | Г        |            |                | П        | l        |          |       |   | 77       |          |          |           |          |          |        |    |               |               |       | 127      |                   |                                     |          |               | -                  |              |          |  |                |
|       | 28       | ٠.       |          |               |          |            |                |          |          |          |       |   | 78       |          |          |           |          |          |        |    |               |               | -     | 128      |                   |                                     |          | $\overline{}$ |                    |              |          |  |                |
|       | 29       | Ŀ        |          |               |          |            |                |          |          |          | ]     | -   | 79       |          |          |           | •        |          |        |    |               |               |       | 129      |                   |                                     |          |               | •                  |              |          |  | ٠.,            |
| -     | 30       | . 1      | •        |               |          |            |                | L        |          | Ŀ        | ]     | ·   | 80       |          |          |           |          |          |        |    |               |               | ٠     | 130      |                   | ·                                   |          | ·             |                    | ٠            | ·        | ·  |                |
|       | 31       |          | ·        |               |          |            | L              |          |          |          |       |   | 81       |          |          |           |          |          |        | •  |               |               | •     | 131      | L                 |                                     | :        |               |                    |              |          | ·.   |                |
|       | 32 -     |          |          |               |          |            |                |          |          |          |       |   | 82       |          |          |           |          |          |        |    |               |               |       | 132      |                   | L                                   |          | Ŀ             |                    |              | Ш        |  | ٠.             |
| •     | 33       |          |          |               |          | Ŀ          |                |          |          |          | ]     |   | 83       |          |          |           |          |          |        | _  |               |               | ٠     | 133      |                   |                                     |          | L             |                    |              | Ш        |  | L              |
|       | 34       | <u> </u> |          | :             |          |            |                | L        | ŀ        |          | Į     |   | 84       | <u>L</u> |          |           | . ]      |          | $\Box$ |    | Ŀ             | Ш             |       | 134      |                   |                                     |          | $oxed{oxed}$  | Щ                  | <u> </u>     | ĿJ       | _  | ١÷             |
|       | -35      |          | ,        |               | Ē        | L          | L              |          |          |          |       | ــــــا   | 85       | Ŀ        | Ш        |           |          | $\Box$   | -      |    |               | Ш             |       | 135      | 匚                 | _                                   | <u></u>  | <u> </u>      |                    | <u> </u>     | 니        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | <u>L</u>       |
| • .   | -36.     | Ŀ        | L        |               | L        | L          | ļ              | L        | Ŀ        | ·        |       |   | 86       | Ŀ        |          |           | Ш        |          |        |    |               | Ш             |       | 136      | L                 | L                                   | _        | <u> </u>      |                    | _            | Ш        | $\vdash$   | $\vdash$       |
|       | - 37     | $\Box$   | Ŀ        |               | Ŀ        | L          | ·              |          |          | ·        |       | Ŀ   | 87       | Ŀ        |          |           |          |          |        |    |               | Ш             |       | -137     | <u> </u>          | <u> </u>                            | <u> </u> | <u> </u>      | igsqcup            |              | Ш        |  | ĻĿ             |
| ٠.    | · 38     | L        | L        | نـــا         | L        | <u> </u>   | نـــا          | _        | _        | <u></u>  |       |   | 88       | L        |          |           | Ш        |          |        |    |               | Ш             |       | 138      | $ldsymbol{f eta}$ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | <u> </u>      | $\sqcup$           | _            | انا      | <u> </u>   | <u> </u>       |
| -     | 39       |          | 匚        |               |          |            |                | _        |          | <u> </u> |       | $\vdash$  | 89       | Ŀ        |          |           | Ŀ        | ·        | -      | _  |               | Ш             |       | 139      | <u> </u>          | _                                   | <u> </u> |               | $ldsymbol{\sqcup}$ | $\vdash$     | 닏        | <u> </u>   | <u>_</u>       |
|       | 40       |          | $\Box$   |               | L        | L.         | L              |          | _        |          |       | <u> </u>  | 90       | -        | Ш        |           | ÷        |          |        |    |               |               |       | -140     | <u> </u>          | _                                   | _        | <u> </u>      |                    | _            | Ш        |  | <u> </u>       |
|       | 41       | <u> </u> | <u> </u> | L             |          | Ŀ          | _              | <u></u>  | _        |          |       | $ldsymbol{ld}}}}}}}}}$ | 91       | _        | Щ        |           | Ш        |          |        |    |               | Ш             |       | 141      | <u> </u>          | Ŀ                                   | _        | <u> </u>      | ·                  | _            | Ш        | نـــا  | $\vdash$       |
|       | 42       | Ŀ        | <u> </u> | L             | Ŀ        | <u> </u>   | <u> </u>       | <u> </u> | <u> </u> |          |       |   | 92       |          | Щ        |           | Щ        | $\Box$   | _      |    |               | Ш             |       | 142      | Ŀ                 | Щ                                   | <u> </u> | Ŀ             | $oxed{oxed}$       | <u>  -  </u> | 니        | • • •  | <u> </u>       |
|       | 43       | L_       | $\sqcup$ | <u> </u>      | •        | _          | L_             |          | <u> </u> |          |       | igsquare  | 93       | Ŀ        | Щ        |           | Ш        | -        |        |    | Ш             | Ш             |       | 143      | Ŀ                 | Ь                                   |          | Щ             | <b>—</b>           | <u> </u>     | لـــا    | Ŀ  | <u>  -</u>     |
|       | 44       | _        |          | <u> </u>      | <u> </u> | <u> </u>   | <u> </u>       | _        | <u> </u> | <u> </u> | liii  | igsquare  | 94       | Ŀ        |          |           |          | _        | _      |    | Щ             | Ш             |       | 144      | <u> </u>          | <u> </u>                            | <u> </u> | ┞             | $\vdash$           |              | ╙        | <u> </u>   | Ь              |
|       | 45       | Ŀ        | -,       | <u> </u>      | <u> </u> | Ι.         | _              | $\vdash$ | <u> </u> | <u> </u> | ı     | igsquare  | 95       | <u> </u> | Ш        |           | Щ        |          | _      |    | Щ             |               |       | 145      | ⊢                 | <b>—</b>                            | <u> </u> | Ŀ             | ╙                  | _            | Ŀ        | ш  | <u> </u>       |
| • •   | 46       | _        |          | <u>_</u>      | Ŀ        | <u> </u> - | _              | _        | <u> </u> | <u> </u> |       | لصا   | 96       | <u> </u> | Ш        |           | Щ        | _        |        | _  | Ш             | $\square$     |       | 146      | <u> </u>          | $\vdash$                            | _        | <u> </u>      | نـــا              | <u> </u>     | 닏        | $\vdash$   | <u> </u> -     |
| ·     | 47       |          | <u> </u> | $\sqcup$      | ·        | <u> </u>   | ·              | <u> </u> | <u> </u> | _        |       | igwdapprox  | 97       | <b> </b> | Ш        |           | Щ        |          | _      |    |               | Щ             |       | 147      | <u> </u>          | <u> </u>                            | <u> </u> | <u> </u>      | $\vdash$           | _            | ,        | $\vdash$   | $\vdash$       |
| ·     | 48       | <b>!</b> | $\vdash$ | $\vdash$      | <u> </u> | <u> </u>   | $\vdash$       | <u> </u> | <u> </u> | $\vdash$ | liii  | $\vdash$  | 98       | $\vdash$ | $\vdash$ | Ш         | Щ        | _        | _      |    | Щ             | $\sqcup$      |       | 148      | Ŀ                 | <u> </u>                            | ⊢        | <u> </u>      | $\vdash$           | <u>:</u>     | Ш        | <b> </b>   | Ŀ.             |
|       | 49       | $\vdash$ | $\vdash$ | ٠.            | Ŀ        | <u> </u>   | <u> </u>       | <u> </u> | <u> </u> | $\vdash$ | liii  |   | 99       | <u> </u> | Щ        | $\square$ |          |          | _      |    | Ш             | Щ             |       | 149      | $\vdash$          | <u> </u>                            | <u> </u> | L             | Ш                  | <u> </u>     | 닏        | $\vdash$   | ⊢              |
|       | 50       | ı        |          |               | ı        | ı          | 1              | 1 .      |          | ı        | liiii | 1 - 1   | 100      |          |          |           |          | - 1      |        | i  |               |               |       | 150      | I                 |                                     | l        |               | 1 1                | •            | 1 1      |  | ł              |